

for **Argolitec-Products of**

Adolf Gottfried Tonwerke GmbH

date: 2022.01.13

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**1. Indication:**

1.1. Indication of the substance: Layer-silicate / Illite

1.2. Use of the substance: ceramic industries  
mineral fillers for several industries  
absorbing materials  
agricultural food  
seals for constructions

1.3. Indication of the company: Adolf Gottfried Tonwerke GmbH  
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**2. Composition:**

Illite

CAS-No.: 12173-60-3

Natural product with variable content of:

Further layer-silicates approx. 10 %

Calcite approx. < 15 %

For natural mineral products it is not to exclude that there could be traces of further minerals like for example quartz or feldspar.

There is no classification according to annex 1 of the EG (European union)-guiding principle 67/548/EWG present.

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According to REACH article 3, annex V no mandatory registration is existing.

**3. Possible risks:**

There is no classification according to annex 1 of the EG (European union)-guiding principle 67/548/EWG present.

The product is harmless for human beings and environment.

Concerning to a development of dust it is necessary to check the actual current regulations for a clear air (like German TA-Luft), respectively the current national regulations.

**4. Measures of first aid:**

- 4.1. Breathing: No special activity necessary. Remove to fresh air.
- 4.2. Contact to skin: No special activity necessary.
- 4.3. Contact to eyes: Wash out with large quantities of water.
- 4.4. Swallowing: Not toxic, therefore no special activity necessary. Wash out the mouth with water .
- 4.5. Indication for the medical man: No dangerousness because absolutely harmless. No special activity or instruction necessary.

**5. Measures for fire retraining:**

The product is not combustible and inflammable.

No dangerous expositions in case of fire.

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- 6. Measures for avoidance of unintentional exposition:** Development of dust is to avoid. If the concentration of dust is more than the critical value it is necessary to use respirators according to the national law.
- During filling and transporting procedure there are to use appropriate devices to suck off the dust.
- Leaked out or spilling product can be sucked off with appropriate devices (with filter) to avoid the development of dust. If sweeping is necessary use water as a dust suppressant.
- 7. Handling and storage:** Avoid the development and extension of dust.
- At places where the development of dust may be possible take care of appropriate devices to suck off the dust. In case of high development of dust use respirators according to the national law.
- There are to check the actual current national regulations for a clear air (for example German TA-Luft).
- Preferably the product is to store in closed systems like bunker, big-bag or bag. Seal broken bags immediately.
- The storage of the product is preferably to do dry in closed and adequately ventilated rooms.
- There is no special demand or indication.
- 8. Limitation of exposition and personal protective equipment:** Check the actual current national regulations for a clear air.

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For example for Germany:  
Breathable fraction 10 mg/m<sup>3</sup> ("E")  
Fraction capable for absorption by lung vesicles 3 mg/m<sup>3</sup> ("A")

- 8.1. Limitation and investigation of exposition at the working place: At places with development of dust use appropriate devices with filter to suck off the dust
- 8.2. Breath protection: In case of higher concentration of dust than the critical value use respirator with filter P2.
- 8.3. Hand protection: Not necessary.
- 8.4. Eye protection: In case of higher concentration of dust than the critical value use protective goggles with side shield.
- 8.5. Skin protection: Not necessary
- 8.6. Limitation and investigation of environmental exposition: There is no special demand. There are no negative effects known.
- 9. Physical and chemical properties:**
- 9.1. General information: Appearance: Solid, powdery  
Colour: Grey, green, red-brown  
Smell: Scentless
- 9.2.1. Important information for the protection of health and environment just as security : There are no relevant information of security necessary.  
The product is not combustible and inflammable.
- pH-value: 8,5
- Density (at 20°C) [g/cm<sup>3</sup>]: 2,65  
Solubility in water: to neglect
- 10. Stability and reactivity:** No dangerous reactions.

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- 11. Information of toxicology:** Not toxic.  
The influence of dust without protection for a longer time and / or in higher concentration can cause hazardous effects to the lung.
- 12. Information of environmental agreement:** No toxic material without negative biological influence to the environment.
- 13. Indication for the removal of remains:** No importance of security.  
The product is harmless. Development of dust what is capable for absorption by lung vesicles is to avoid.
- 14. Information for transportation:** No importance of security.  
The product is harmless.  
The development of dust is to avoid.
- 15. Instructions:** According to the guide principle 67/548/EWG there is no marking present and necessary.
- 16. Other declarations:** Not necessary.

**Exclusion of responsibility:**

This data sheet of security describes no contractual assurance of quality properties or other obligations. The declarations were worked out to the best of our knowledge. They were taken from sources we consider as credible. Nevertheless they are passed on without explicit or tacit guarantee. Modes of proceeding for treatment, storage, usage or removal of the product are not under our admission and so they cannot be transferred to our responsibility. Based on this and other reasons we decline any responsibility in fact of lost, damage or costs proceeded by any way of treatment, storage, usage or removal of the product respectively being connected with it. This data sheet is exclusively worked out for this product respectively the product group and so available for them. These declarations are not assignable when the product will become a part of a product that is different.